



**STATE OF DELAWARE
DEPARTMENT OF
TRANSPORTATION**

800 Bay Road
Dover, DE 19901
(302) 760-2011



Posting #10183061R
(Revised to extend closing date)

ENGINEER III

Opening Date: August 8, 2006

Closing Date: September 25, 2006

A Vacancy Exists

Salary: \$55,926 - \$69,044 SMV (Minimum – Midpoint) Paygrade 15

Location: Kent County (**Please check this county on your application**) Transportation Solutions, Transportation Management Center, Smyrna, DE

Summary Statement: This class series uses nine levels of work in the Technical Services Occupational Group, Engineering Services Occupational Series. Engineering work encompasses applying engineering principles and theories to specialized engineering disciplines such as Civil Engineering. Engineering principles and theories are applied during design, project scheduling and cost control, location studies, construction and maintenance, materials testing and research, traffic design and operations. This is the project lead level. This position will support the planning, design and operations of the DelTRAC Transportation Management Program.

Career Ladder: Upon satisfactory completion of Department promotional standards and minimum qualifications, employee may be eligible to be promoted to the next level.

Preferred Qualifications: Please address the preferred qualification separately on the Minimum Qualifications page of the application. Applicants who do not possess the preferred qualification will still be eligible to compete for this position if minimum qualifications are met.

1. Experience in planning, design, construction and operations of sophisticated computer based transportation control, monitoring, and information systems.
2. Experience in the planning, design, construction and operations of traffic signal systems.
3. Experience in the development of specifications for equipment, services and engineering support of intelligent Transportation Systems (ITS) that involve sophisticated computer based transportation control, monitoring, and information systems.

Minimum Qualifications: Please address each item separately on the Minimum Qualifications page of the application. Failure to do so will result in a disqualification.

Applicant must meet each of the following qualifications. Failure in any one area will result in a rating of "not qualified."

1. Possession of a bachelor's degree in Civil Engineering, or possession of the Fundamentals of Engineering (FE) (formerly the Engineer in Training) certificate.
2. Four years experience in Civil Engineering.
Applicants must detail all experience in Civil Engineering.
3. Knowledge of engineering project management.
Applicants must detail all training and/or coursework, or experience in engineering project management which includes planning, scheduling, staffing, coordinating, controlling, monitoring, evaluating and reporting on the status of engineering projects.

Examination: The application is evaluated based upon a rating of training and experience.

Essential Functions:

- Drafts, develops and modifies engineering designs, plans and specifications.
- Reviews permit applications, blueprints and/or designs prepared by others to ensure compliance with specifications and regulations.
- Applies the principles and theories of science and mathematics to research and develop solutions to technical problems.
- Plans and conducts field studies, surveys, research and development projects, inspections and/or investigations to collect data and ensure conformance to state/federal laws and regulations.
- Tests or evaluates materials, equipment, systems and facilities.
- Plans and coordinates engineering projects.
- Reviews, analyzes and reports on the status of projects and/or regulatory conformance.
- Develops cost estimates for project time and materials.
- Provides technical guidance and training to technical staff.
- Reports to an administrative or technical superior.
- Functions as project supervisor, planning, coordinating, evaluating, and reporting results and to negotiate and oversee the work of lower level engineers, technicians and consultants assigned to carry out major components of work. Accountable for effective and efficient completion of several projects simultaneously. Provides guidance and assistance on complex coordination matters and in modifying design and construction methods.
- Participates in developing and implementing engineering policies and procedures and recommends revisions and implementation of new projects.
- Reviews plans prepared by consulting firms with special attention to unusually complex components of the contract/project.
- Administers contracts, projects, materials testing and evaluation.

- Supervises multiple testing units in the Material Testing and Research laboratory, and conducts research projects of moderate complexity.
- Prepares evidence for court, testifies as a witness for the State, prepares engineering reports involving analysis of findings and reviews special reports prepared by lower level staff for technical accuracy and regulatory compliance.
- Prepares impact statements and draft permits; notifying municipal, industrial/commercial representative on needed revisions; making recommendations on corrective action; initiating enforcement procedures.
- Contacts include acting as liaison between the department, municipalities, commercial/industrial organizations and federal regulatory agencies regarding compliance, funding and research.

Conditions of Employment:

- Upon a conditional offer, you must undergo pre-employment drug testing as part of the hiring process.
- Applicants must be legally authorized to work in the United States. DelDOT does not provide employment-based sponsorship.
- Direct deposit of paychecks is required as a condition of employment.

Benefits: To learn more about the comprehensive benefit package please visit the web-site at <http://ben.omb.delaware.gov/programs/index.shtml>

Submitting your Application:

- **Apply on-line at www.delawarestatejobs.com/postings. (Your application will be routed automatically to the recruiting agency).**
- Paper applications can be submitted to one of the following locations:

DEPARTMENT OF TRANSPORTATION (DELDOT), Human Resources,
800 Bay Road Dover, DE 19901 Phone: (302)760-2011 Fax (302)760-2771

HUMAN RESOURCE MANAGEMENT

Haslet Armory, 1st Floor, 122 William Penn Street, Dover, DE 19901 Phone:
(302) 739-5458 Fax: (302) 739-2327

Carvel State Office Building, 1st Floor, 820 North French Street, Wilmington, DE
19801 Phone: (302) 577-8277 Fax: (302) 577-3957

Delaware Technical and Community College Campus, P. O. Box 610,
Georgetown, DE 19947 Phone: (302) 856-5966 Fax: (302) 856-5969

Attachments to Applications:

- Please do not submit copies of evaluations, letters of reference, training certificates, or college transcripts unless requested.
- If supplemental information is requested by the posting or needed for scoring purposes such as but not limited to a DD214, resumes or transcripts, please send or fax to the recruiting agency before or on the specified closing date.
- Applications or additional information will not be accepted after the closing date.
- Resumes will not be accepted unless accompanied by a State of Delaware Application.

Accommodations:

- Accommodations are available for applicants with disabilities in all phases of the application and employment process. To request an auxiliary aid or service please call (302) 739-5458
- TDD users should call the Delaware Relay Service Number 1-800-232-5460 for assistance.

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